

MULTIMERIC DYE STRUCTURES

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ABSTRACT OF THE DISCLOSURE

The present invention is drawn to multimeric dyes, ink-jet inks, and
10 systems that can be used to print images having good water fastness and
humid fastness, as well as good color characteristics. Specifically, a multimeric
dye for ink-jet printing can comprise a first dye molecule chemically coupled to a
second dye molecule through a linker group, wherein the multimeric dye is
stable in the presence of interfering metals. These multimeric dyes can be used
15 to form ink-jet inks and can be used in printing systems in accordance with
embodiments of the present invention.